

Applied A.I. Solutions

Data Visualization Techniques

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DATA VISUALIZATION TECHNIQUES

Parameters and Calculated Fields



TABLEAU – Parameters

Parameters are useful when you want:

- to add interactivity and flexibility to a report, or
- to experiment with what-if scenarios

When you use parameters, you need to tie them to the view in some way:

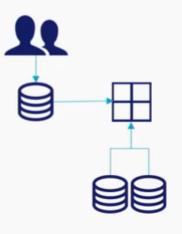
- Use parameters in calculations and calculated fields used in the view
- Display the parameter control in the view for users to select parameters
- Reference parameters in parameter actions





TABLEAU CONFERE

What Is a Parameter?



User Input

- A way of letting users specify a value
- A "variable" in programming speak
- Useful for What-If? Analysis

Data Source

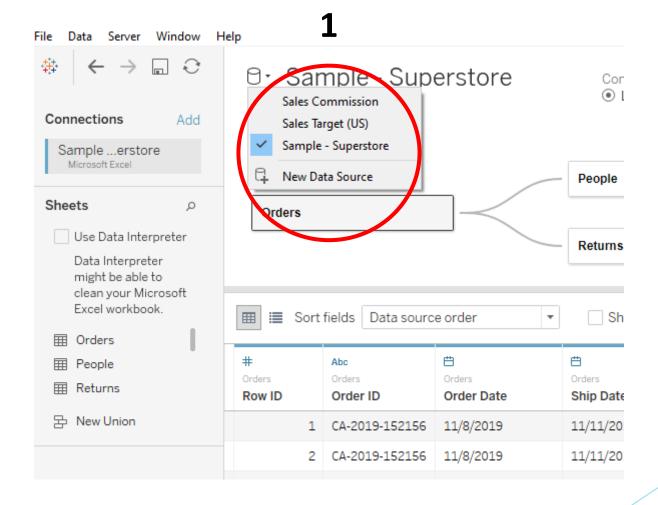
- Params are fields
- · Live in a special data source
- · Can be used in calculations, etc.

https://help.tableau.com/current/pro/desktop/e n-us/changing-views-using-parameters.htm

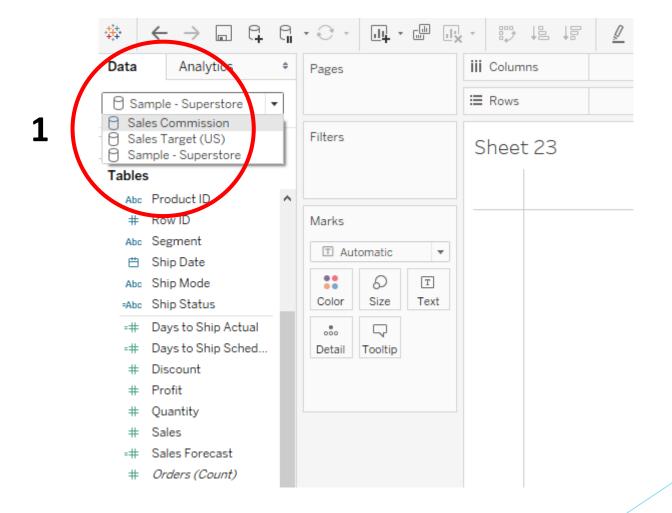


iableau - Superstore for GBC_Pars_Calcs File Data Server Window Help ☐- Sample - Superstore Connec Live Connections Add Sample - Superstore Microsoft Excel People Sheets Q Orders Use Data Interpreter Returns Data Interpreter might be able to clean, our Microsoft Excel workbook. ■ Orders ⊞ People ⊞ Returns B New Union ■ Sort fields Data source order Show Abc $\stackrel{\scriptscriptstyle{red}}{=}$ Abc Orders Orders Orders Orders Orders

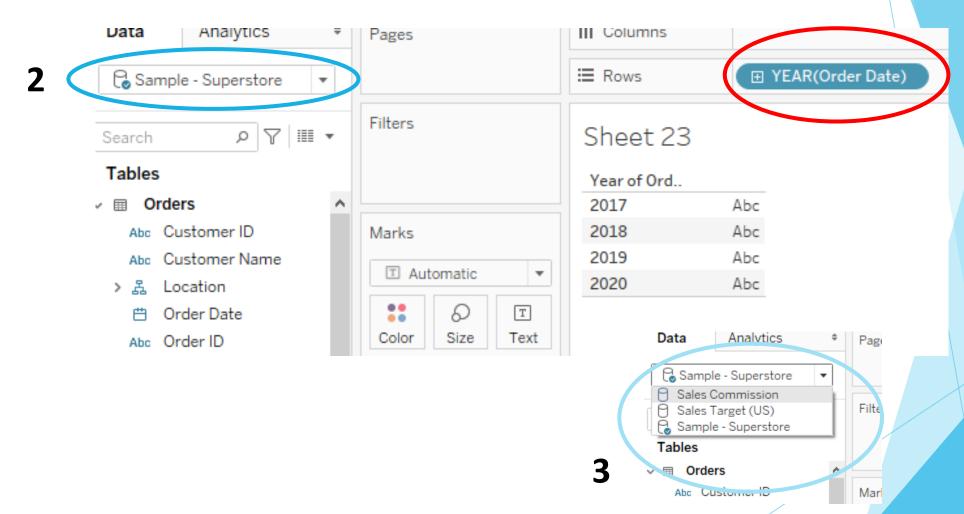


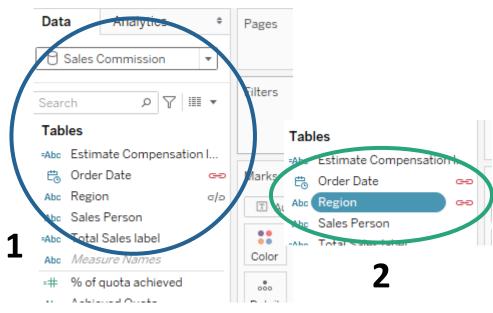


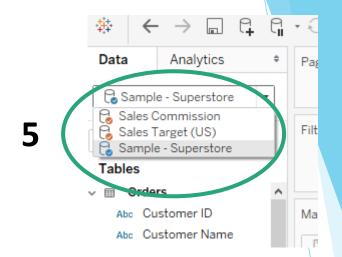












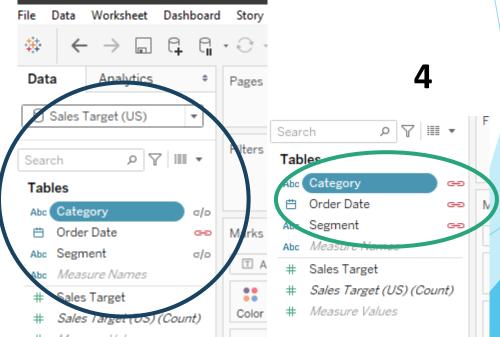
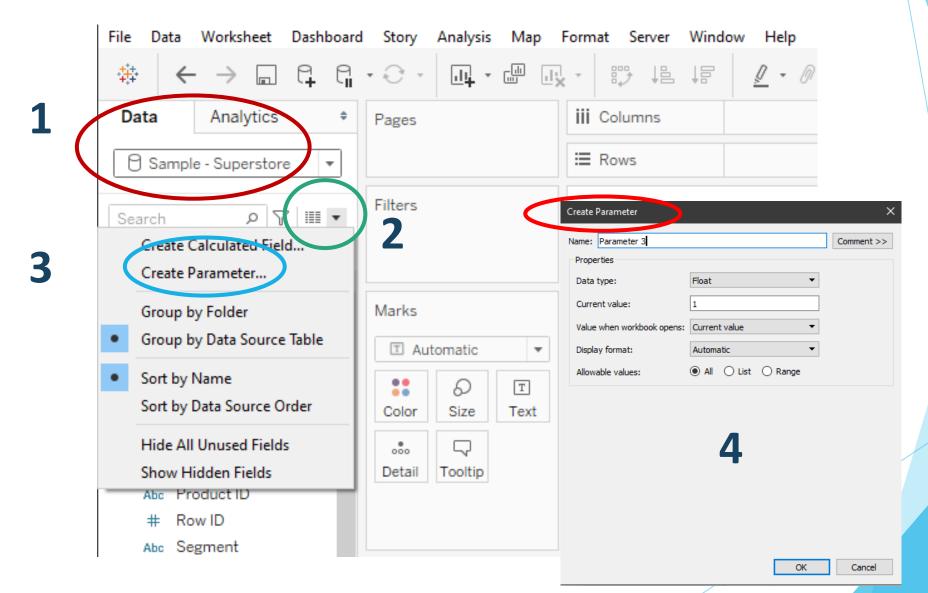




TABLEAU – Parameters



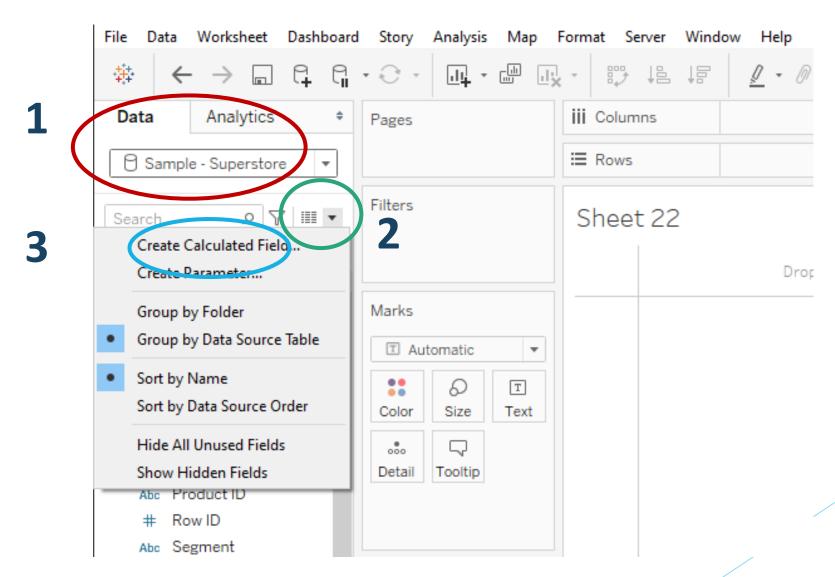


Edit Parameter [Select Column 1 Heading]

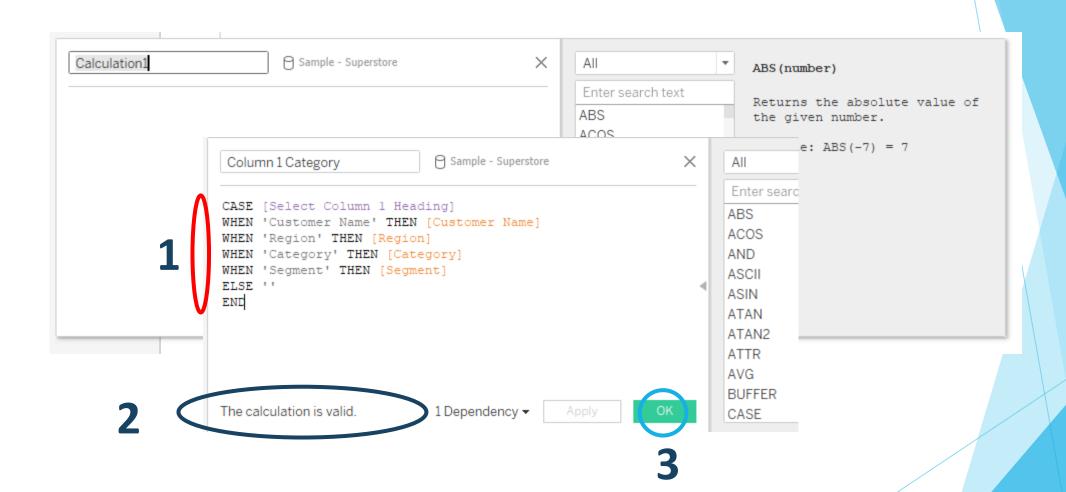
Name: Select Column 1 Heading Comment >> Properties Data type: String Current value: None Value when workbook opens: Current value Display format: ○ All ● List ○ Range Allowable values: List of values Fixed Display As Value None None Add values from Customer Name Customer Name O When workbook opens Customer Segment Customer Seg... None Region Region Category Category Segment Segment Clear All Add OK Cancel

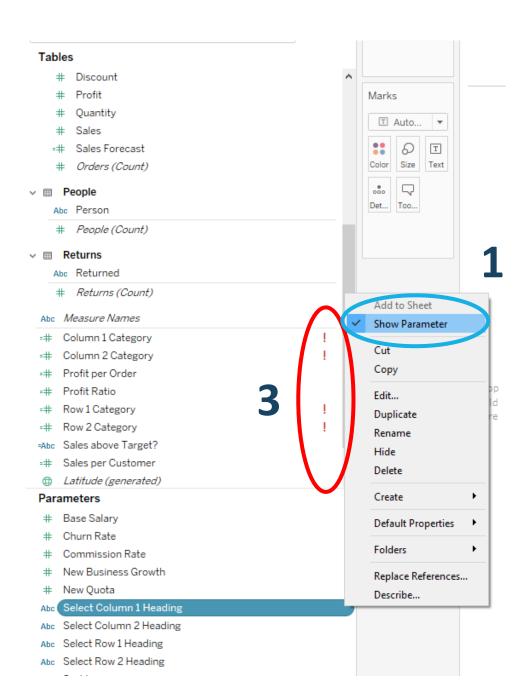


TABLEAU – Parameters











Select Column 1 Heading	
None	-
Select Column 2 Heading	
None	•
Select Row 1 Heading	
None	•
Select Row 2 Heading	
None	•

